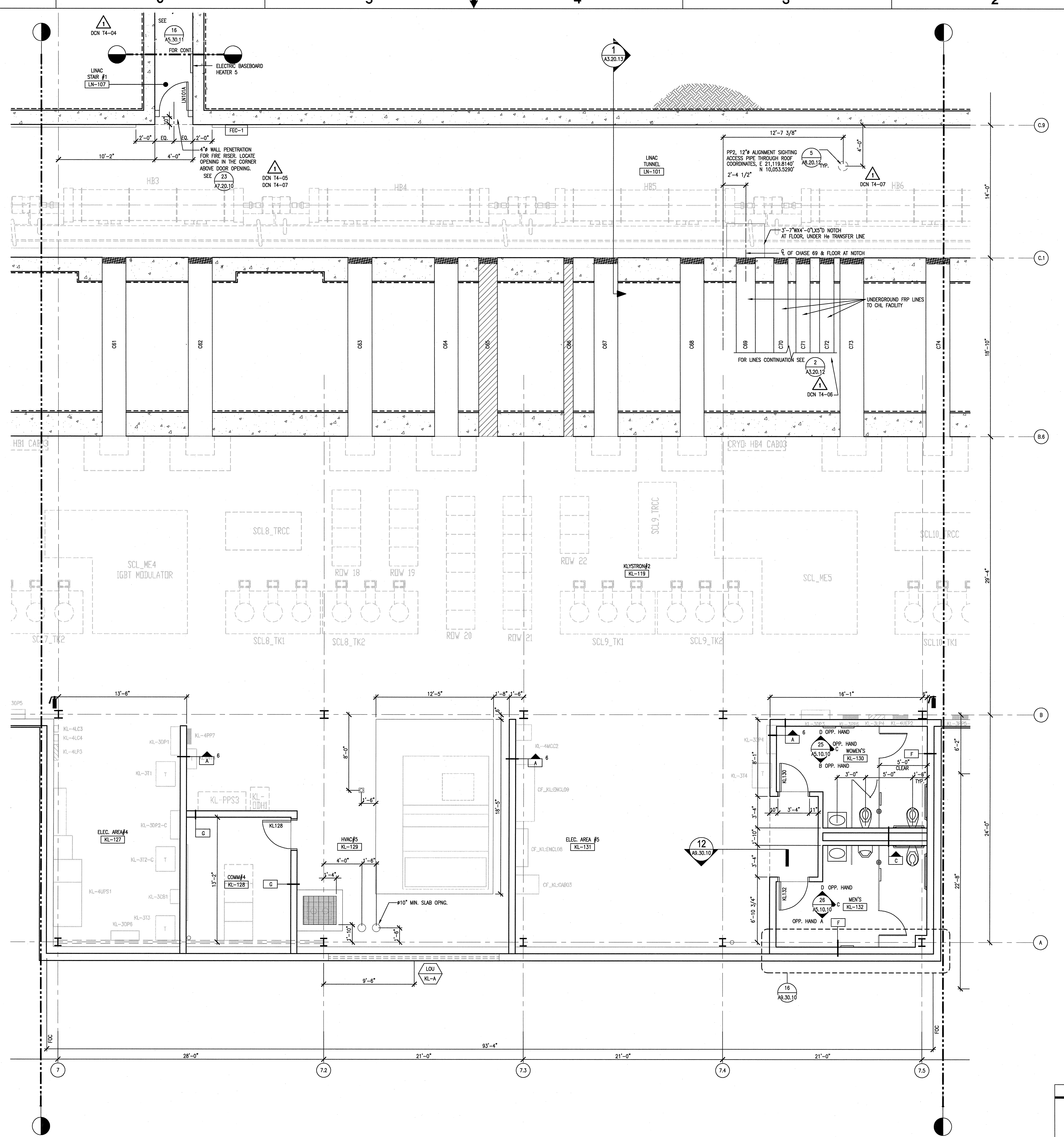


SHEET NOTES:

1. FOR ROOM FINISH SCHEDULE, SECTORS 1 THRU 12, REFER TO A7.30.10
2. FOR PARTITON SCHEDULE, SECTORS 1 THRU 12, REFER TO A7.20.10
3. FOR DOOR SCHEDULE, SECTORS 1 THRU 12, REFER TO A7.30.10
4. ⊕ DENOTES TYPICAL FLOOR DRAIN, SET 1/2" BELOW FINISH FLOOR AND TAPER SURROUNDING FLOOR AREA IN A 12" RADIUS DOWN TO DRAIN. TYPICAL THRU SECTORS 1 THRU 12 UNLESS ENTIRE FLOOR OF ROOM IS SHOWN TAPERED.
5. SEE MECHANICAL DRAWING AND ELECTRICAL DRAWING OF THIS SECTOR FOR (CONDUITS AND PIPES) SLAB PENETRATIONS.
6. FOR SUMP LOCATION SEE STRUCTURAL DWGS. S2.01.02, S2.01.03, S2.01.06, S2.01.08, S2.01.10 (2) DCN T4-09
7. NOT USED
8. THE END OF MEBT (OR MEBT BENCHMARK) IS TO BE LOCATED AT: E 20,465.37', N 10,049.037', AND IS NOTED AS +0.00 EACH WAVEGUIDE CHASE LOACTION AS SCHEDULED. MAY NOT VARY BY MORE THAN 1/2" IN THE SCHEDULED DISTANCE FROM THIS POINT.
9. SURFACE MOUNTED PORTABLE FIRE EXTINGUISHER, NIC.
   FEC-1 FIRE EXTINGUISHER CABINET, TYPE 1
10. NOT USED (2) DCN T4-08
11. FOR REFLECTED CEILING PLAN OF THE TOILET, JANITOR'S CLOSET & COMM. ROOM FROM SECTORS 1 THRU 12, REFER TO A9.40.10
12. LINAC WAVE-CHASE SCHEDULE – REV 7, 3/22/2001

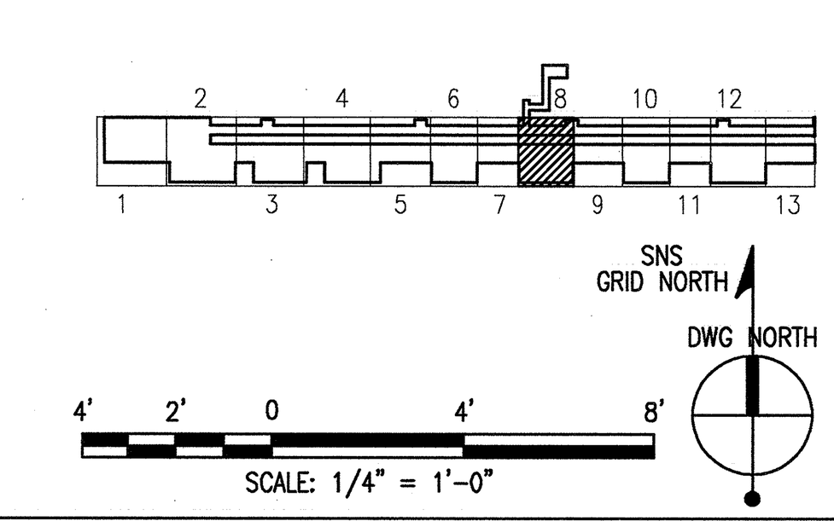
LINAC WAVEGUIDE CHASE SCHEDULE

CHASE NO.	CHASE TYPE	CHASE SIZE	BEAM LINE AXIAL POSITION (NOTE3)(FT)	VERTICAL HEIGHT AT TUNNEL (IN)
C61	SC (HB)–3–1&2	1@30"	577.712	Note 5,9
C62	SC (HB)–3–3&4	1@30"	586.777	Note 5,9
C63	SC (HB)–4–1&2	1@30"	603.601	Note 5,9
C64	SC (HB)–4–3&4	1@30"	612.666	Note 5,9
C65	Ref. Coax	1@24"	617.095	Note 5,9
C66	Spare	1@12"	625.553	Note 8,9
C67	SC (HB)–5–1&2	1@30"	629.490	Note 5,9
C68	SC (HB)–5–3&4	1@30"	638.555	Note 5,9
C69	Transfer Line–Return	1@24"	644.218	Note 6,10
C70	Transfer Line–Supply	1@18"	647.885	Note 7,11
C71	Transfer Line–Gas	1@18"	650.219	Note 7,11
C72	Transfer Line–Spare	1@18"	652.718	Note 7,11
C73	SC (HB)–6–1&2	1@30"	655.379	Note 5,9
C74	SC (HB)–6–3&4	1@30"	664.444	Note 5,9

C101 INDICATES WAVEGUIDE CHASE IS NOT TO BE INSTALLED AND NO PROVISONS FOR WALL OPENINGS ARE TO BE PROVIDED. (1) DCN T4-05

NOTES:

1. NOT USED
2. NOT USED
3. THIS IS THE AXIAL POSITION ALONG THE LENGTH OF THE TUNNEL IN FEET, FROM THE END OF THE MEBT.
4. THE OUTSIDE BOTTOM OF THE FRP CHASE (IF EXTENDED TO INTERSECT WITH THE TUNNEL INSIDE WALL), IS ~3" ABOVE THE FLOOR (THE FLOOR IS 50" BELOW THE BEAM LINE).
5. THE OUTSIDE BOTTOM OF THE FRP CHASE (IF EXTENDED TO INTERESECT WITH THE TUNNEL INSIDE WALL), IS ~3" ABOVE THE FLOOR (THE FLOOR IS 50" BELOW THE BEAM LINE).
6. THE HORIZONTAL CENTERLINE OF THIS CHASE IS POSITIONED ~10.437" ABOVE THE FLOOR OF THE LINAC TUNNEL (THE FLOOR IS ~50" BELOW THE BEAM LINE). NOTE – THE BOTTOM OF THIS CHASE IS BELOW FLOOR LEVEL. A RECESS HAS BEEN INCLUDED IN THE CONCRETE FLOOR DESIGN AT THIS LOCATION TO ACCOMODATE THE CHASE AND PROVIDE TRANSFER LINE WELDING ACCESS. (1) DCN T4-05 DCN T4-06
7. THE HORIZONTAL CENTERLINE OF THIS CHASE IS POSITIONED ~14.875" ABOVE THE FLOOR OF THE LINAC TUNNEL (THE FLOOR IS 50" BELOW THE BEAM LINE).
8. THE OUTSIDE BOTTOM OF THE FRP CHASE (IF EXTENDED TO INTERSECT WITH THE TUNNEL INSIDE WALL) IS ~3" ABOVE THE FLOOR (THE FLOOR IS 50" BELOW THE BEAM LINE).
9. THESE CHASES ANGLE UPWARD FROM THE LINAC TUNNEL TO THE KLYSTRON BUILDING. THE OUTSIDE BOTTOM OF THE CHASE IS ~3'-8.58" ABOVE THE KLYSTRON FLOOR. NOTE – THIS MAKES THE CHASE ANGLE ~33.5 DEG.
10. THIS CHASE IS ANGLED UPWARD FROM THE LINAC TUNNEL TO THE CHL BUILDING. THE INTERSECTION POINT IN THE CHL BUILDDING IS IN THE BASEMENT.
11. THIS CHASE IS ANGLED UPWARD FROM THE LINAC TUNNEL TO THE CHL BUILDING. THE INTERSECTION POINT IN THE CHL BUILDING IS IN THE BASEMENT.
12. A RECESS HAS BEEN INCLUDED ABOVE THE DTL CHASE OPENING IN THE TUNNEL TO ALLOW ADDITIONAL CLEARANCE FOR THE WAVEGUIDE AND FOR ROUTING CABLES.
13. THE OUTSIDE BOTTOM OF THE FRP CHASE (IF EXTENDED TO INTERSECT WITH THE TUNNEL INSIDE WALL), IS 6.1" ABOVE THE FLOOR.



NUMBER OF SECTION OR DETAIL — DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY

CHANGE CONTROL SYSTEM 4

ENGINEERING PROCEDURE SNS-ENG-G001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
2	A	4	8, 9	BASIS OF AWARD – 10/3/2001 + DCN T4-08 + 09	MJ	TW			CLG	10/9/01		10/8/01				10/9/01	RLB	102104	10/3/01	SC	AW	BS	RL	BS	BJ	–	BS	–	WS
1	C	4	4,5,6,7	CFC – FE/LN/KL DESIGN SUBMITTAL – 6/27/01 +DCN T4-04-07	MJ	TW			CJG	6/28/01	TM	6/28/01			JRL	6/28/01	JPD	101974	6/27/01	SC	AW	BS	RL	BS	BJ	–	BS	–	WS
0	–	4	–	CFC – FE/LINAC SUBMITTAL PACKAGE – 3/30/01	MJ	TW			CJG	4/06/01	TM	4/06/01			JRL	4/06/01	JPD	101974	3/30/01	SC	AW	BS	RL	BS	BJ	–	BS	–	WS

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: ROBERT L. BARNES, REGISTERED ARCHITECT, NO. 102104, STATE OF TENNESSEE — 4 OCT 01

REV. 2 DATE 10/4/01

DSN	M. JEDYNAK	10/3/01
DRW	S. BERNARDEZ	10/3/01
CHK	T. WONG	10/3/01
DEPT		
PE	C. GARREN	4/6/01
PJ	T. MCLAUGHLIN	4/6/01
REQ		
UTB	JR LAWSON	4/6/01

DRAWING APPROVALS

108030300-A8E-8300-A011

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UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC, Oak Ridge, Tennessee

PROJECT NAME:

SPALLATION NEUTRON SOURCE

LINAC/KLYSTRON FLOOR PLAN LEVEL 1, SECTOR 8

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	A	X	X	8	8300		1	1	P	U
51	52		53		WBS					REV
NC	NA				1.8.3.3	A2.01.08				2

Date: 10/02/2001 Time: 15:24:33
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